

## BI-STABLE HINGE AND SYSTEMS USING SAME

### ABSTRACT OF THE DISCLOSURE

**[0060]** The present invention provides an improved hinge design for a mobile station or other electronic device that simplifies hinge assembly and thus, provides a more cost-effective manufactured product. Moreover, the improved hinge assembly complements the aesthetic appeal of the foldable mobile station and provides less stress on various internal elements. In particular, the present invention includes a foldable mobile station or other foldable electronic device having a first functional component that is coupled to a second functional component via a bi-stable structure. The bi-stable structure functions to bias the first and second functional components in either an open or closed position.

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